

--longer capable of withstanding the swelling absorber, the absorber enclosure yields when a certain expansion is reached. The absorber enclosure may then be removable from the starting position in that it breaks or gets destroyed. The term "removable," therefore, is to be understood to mean that the absorber enclosure is either actually spatially removed from its starting or initial position or loses its directly limiting function in which it exerts pressure inwardly. Thus the absorber enclosure breaks up or gets destroyed in some other way, whereas residual parts, however, remain physically in the initial position. The control element so created may be subjected to burn up a_m of almost 100% without burnt-off absorber material getting into the reactor coolant.--

On Page 11, please amend the paragraph in lines 1 to 9 to read as follows:

--The outer absorber enclosure then forms a solid outer jacket, whereas the inner absorber enclosure initially abuts the absorber and offers resistance to the swelling absorber. However, the inner absorber enclosure breaks apart at a defied pressure, so that the absorber can continue to expand in the direction of the outer absorber enclosure.--

On Page 12, please cancel lines 21 to 25.

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On Page 13, please cancel lines 1 to 8.

On Page 16, please cancel line 11 as follows:

"FIG. 3a shows a perspective view of the absorber rod;,"

On Page 16, below the bottom line 18, please insert the following:

D3

-- FIG. 7 shows a boiling water reactor control element; and
FIG. 8 shows a pressure water reactor control element.--

On Page 26, please amend lines 21 to 26 to read as follows:

D4
D

-- The design of the control elements according to the invention, (FIGS. 7 and 8) can be computed with the help of the microscopic burn up theory, and which has been verified also by different measurements. This shows that the pressure load acting on the control elements is basically determined by the B_4C expansion due to swelling. The --

A Marked-Up Version of amended Specification pages 10, 11, 12, 13 and 16, and 26 is attached hereto.

IN THE CLAIMS

✓
Please cancel claim 2.

Please amend claims 1 and 5 as follows: A Marked-Up Version of amended claims is attached hereto.